

(The page contains faint, illegible markings or bleed-through from the reverse side.)

1	1	ACA	GTC	AGC	CGC	ATG	GCT	CCC	CTG	TGC	CCC	P	S	P	W	L	P	L	12
13	49	L	I	P	A	P	A	P	G	L	T	V	Q	L	L	L	S	28	
29	97	TTG	ATC	CCG	GCC	CCT	GCT	CCA	GGC	CTC	ACT	GTG	CAA	CTG	CTG	CTG	TCA	96	
45	145	L	L	L	L	M	P	V	H	P	Q	R	L	P	R	M	Q	44	
61	193	CTG	CTG	CTT	CTG	ATG	CCT	GTC	CAT	CCC	CAG	AGG	TTG	CCC	CGG	ATG	CAG	144	
77	241	E	D	S	P	L	G	G	G	S	S	G	E	D	D	P	L	60	
93	289	GAG	GAT	TCC	CCC	TTG	GGA	GGA	GGC	TCT	TCT	GGG	GAA	GAT	GAC	CCA	CTG	192	
109	337	G	E	E	D	L	P	S	E	E	D	S	P	R	E	E	D	76	
125	385	P	P	G	E	E	D	L	P	G	E	E	D	L	P	G	E	92	
141	433	CCA	CCC	GGA	GAG	GAT	CTA	CTA	CCT	GGA	GAG	GAG	GAT	CTA	CCT	GGA	GAG	288	
157	481	E	D	L	P	E	V	K	P	K	S	E	E	E	G	S	L	108	
173	521	GAG	GAT	CTA	CCT	GAA	GTT	AAG	CCT	AAA	TCA	GAA	GAA	GAG	GGC	TCC	CTG	336	
189	609	K	L	E	D	L	P	T	V	E	A	P	G	D	P	Q	E	124	
205	657	AAG	TTA	GAG	GAT	CTA	CCT	ACT	GTT	GAG	GCT	CCT	GGA	GAT	CCT	CAA	GAA	384	
221	705	P	Q	N	N	A	H	R	D	K	E	G	D	D	Q	S	H	140	
237	753	CCC	CAG	AAT	AAT	GCC	CAC	AGG	GAC	AAA	GAA	GGG	GAT	GAC	CAG	AGT	CAT	432	
253	801	W	R	Y	G	G	D	P	P	W	P	R	V	S	P	A	C	156	
269	849	TGG	CGC	TAT	GGA	GGC	GAC	CCG	CCC	TGG	CCC	CGG	GTG	TCC	CCA	GCC	TGC	480	
285	907	A	G	R	F	Q	S	P	V	D	I	R	P	Q	L	A	A	172	
301	955	GC	GGC	CGC	TTC	CAG	TCC	CCG	GTG	GAT	ATC	CGC	CCC	CAG	CTC	GCC	GCC	528	

FIG. 1A

#5

173 F C P A L R P L E L L L G G F Q L P 188
 529 TTC TGC CCG GCC CTG CGC CCC CTG GAA CTC CTG GGC TTC CAG CTC CCG 576
 189 P L P E L R L R N N G H S V Q L 204
 577 CCG CTC CCA GAA CTG CGC CTG CGC AAC AAT GGC CAC AGT GTG CAA CTG 624
 205 T L P P G L E M A L G P G R E Y 220
 625 ACC CTG CCT CCT GGG CTA GAG ATG GCT CTG GGT CCC GGG CAG GAG TAC 672
 221 R A L Q L H L H W G A A G R P G 236
 673 CCG GCT CTG CAG CTG CAT CTG CAC TGG GGG GCT GCA GGT CGT CCG GGC 720
 237 S E H T V E G H R F P A E I H V 252
 721 TCG GAG CAC ACT GTG GAA GGC GGC CAC CGT TTC CCT GCC GAG ATC CAC GTG 768
 253 V H L S T A F A A R V D E A L G R 268
 769 GTT CAC CTC AGC ACC GCC TTT GCC AGA GTT GAC GAG GCC TTG GGC CGC 816
 269 P G G L A V L A A F L E E G P E 284
 817 CCG GGA GGC CTG GCC GTG TTT GCC GGC TTT CTG GAG GAG GGC CCG GAA 864
 285 E N S A Y E Q L L S R L E E I A 300
 865 GAA AAC AGT GCC TAT GAG CAG TTT GAG TTT CTG TCT CGC TTG GAA GAA ATC GCT 912
 301 E E G S E T Q Q V P G L D I S A L 316
 913 GAG GAA GGC TCA GAG ACT CAG GTC CCA GGA CTG GAC ATA TCT GCA CTC 960
 317 L P S D F S R Y F Q Y E G S L T 332
 961 CTG CCC TCT GAC TTC AGC CGC TAC TTC CAA TAT GAG GGC TCT CTG ACT 1008
 333 T P P C A Q G V I W T V F N Q T 348
 1009 ACA CCG CCC TGT GCC CAG GGT GTC ATC TGG ACT GTG TTT AAC CAG ACA 1056

FIG._1B

349	V	M	L	S	A	K	Q	L	H	T	L	S	D	T	L	W	364
1057	GTG	ATG	CTG	AGT	GCT	AAG	CAG	CTC	CAC	ACC	CTC	TCT	GAC	ACC	CTG	TGG	1104
365	G	P	G	D	S	R	L	Q	L	N	F	R	A	T	Q	P	380
1105	GGA	CCT	GGT	GAC	TCT	CGG	CTA	CAG	CTG	AAC	TTC	CGA	GCG	ACG	CAG	CCT	1152
381	L	N	G	R	V	I	E	A	S	F	P	A	G	V	D	S	396
1153	TTG	AAT	GGG	CGA	GTG	ATT	GAG	GCC	TCC	TTC	CCT	GCT	GGA	GTG	GAC	AGC	1200
397	S	P	R	A	A	E	P	V	Q	L	N	S	C	L	A	A	412
1201	AGT	CCT	CGG	GCT	GCT	GAG	CCA	GTC	CAG	CTG	AAT	TCC	TGC	CTG	GCT	GCT	1248
413	G	D	I	L	A	L	V	F	G	L	L	F	A	V	T	S	428
1249	GGT	GAC	ATC	CTA	GCC	CTG	GTT	TTT	GGC	CTC	CTT	TTT	GCT	GTC	ACC	AGC	1296
429	V	A	F	L	V	Q	M	R	R	Q	H	R	R	G	T	K	444
1297	GTC	GCG	TTC	CTT	GTG	CAG	ATG	AGA	AGG	CAG	CAC	AGA	AGG	GGA	ACC	AAA	1344
445	G	G	V	S	Y	R	P	A	E	V	A	E	T	G	A	*	460
1345	GGG	GGT	GTG	AGC	TAC	CGC	CCA	GCA	GAG	GTA	GCC	GAG	ACT	GGA	GCC	TAG	1392
1393	AGG	CTG	GAT	CTT	GGA	GAA	TGT	GAG	AAG	CCA	GCC	AGA	GGC	ATC	TGA	GGG	1440
1441	GGA	GCC	GGT	AAC	TGT	CCT	GTC	CTG	CTC	ATT	ATG	CCA	CTT	CCT	TTT	AAC	1488
1489	TGC	CAA	GAA	ATT	TTT	TAA	AAT	AAA	TAT	TTA	TAA	T					1522

FIG._1C

FIG._1

FIG._1A

FIG._1B

FIG._1C

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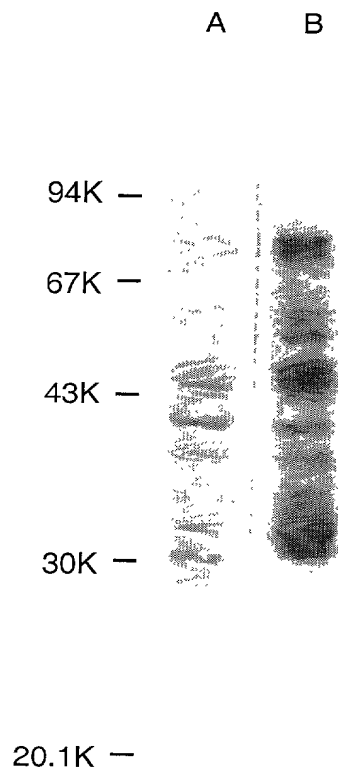


FIG._2

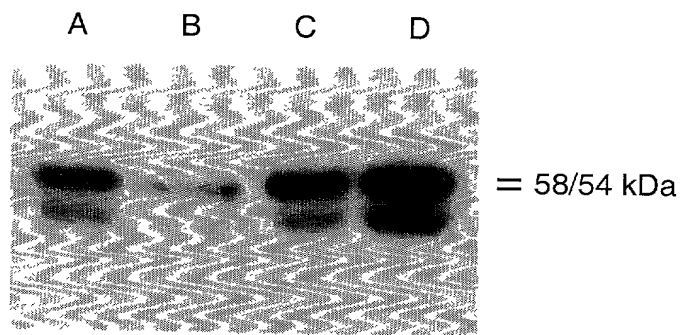


FIG._3

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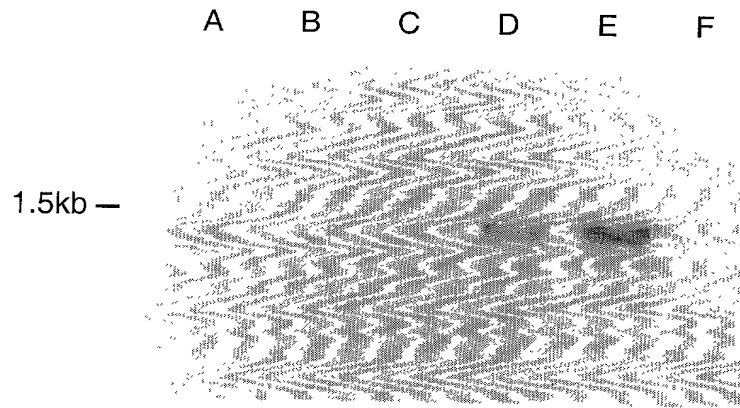


FIG._4

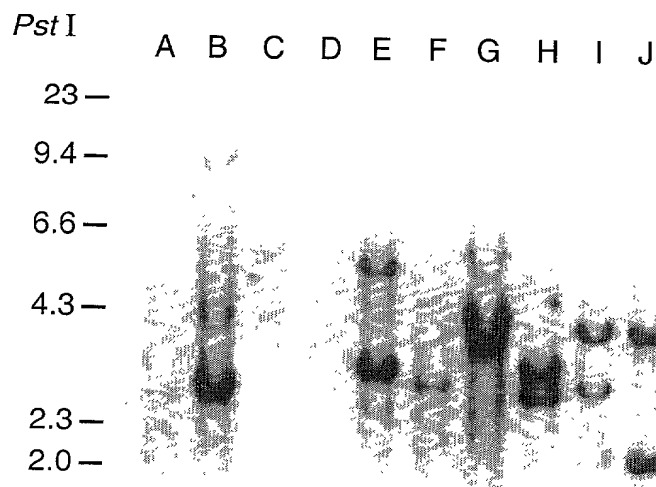


FIG._5

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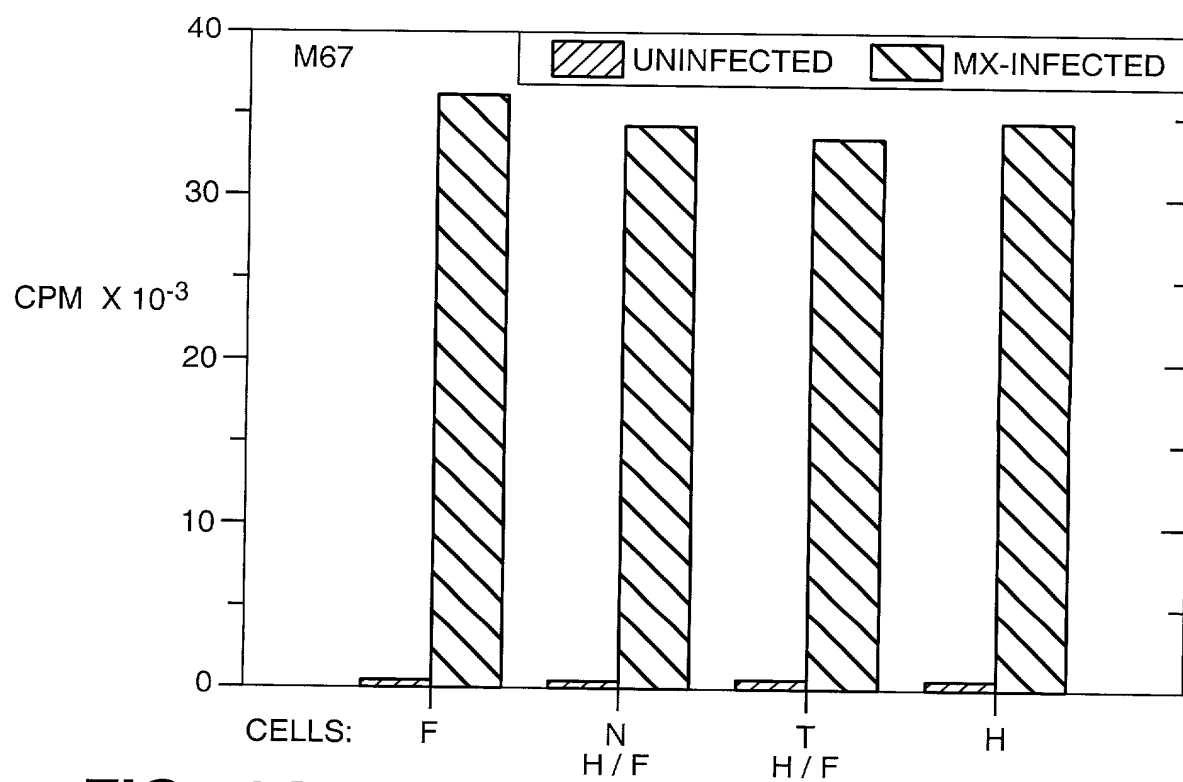


FIG. 6A

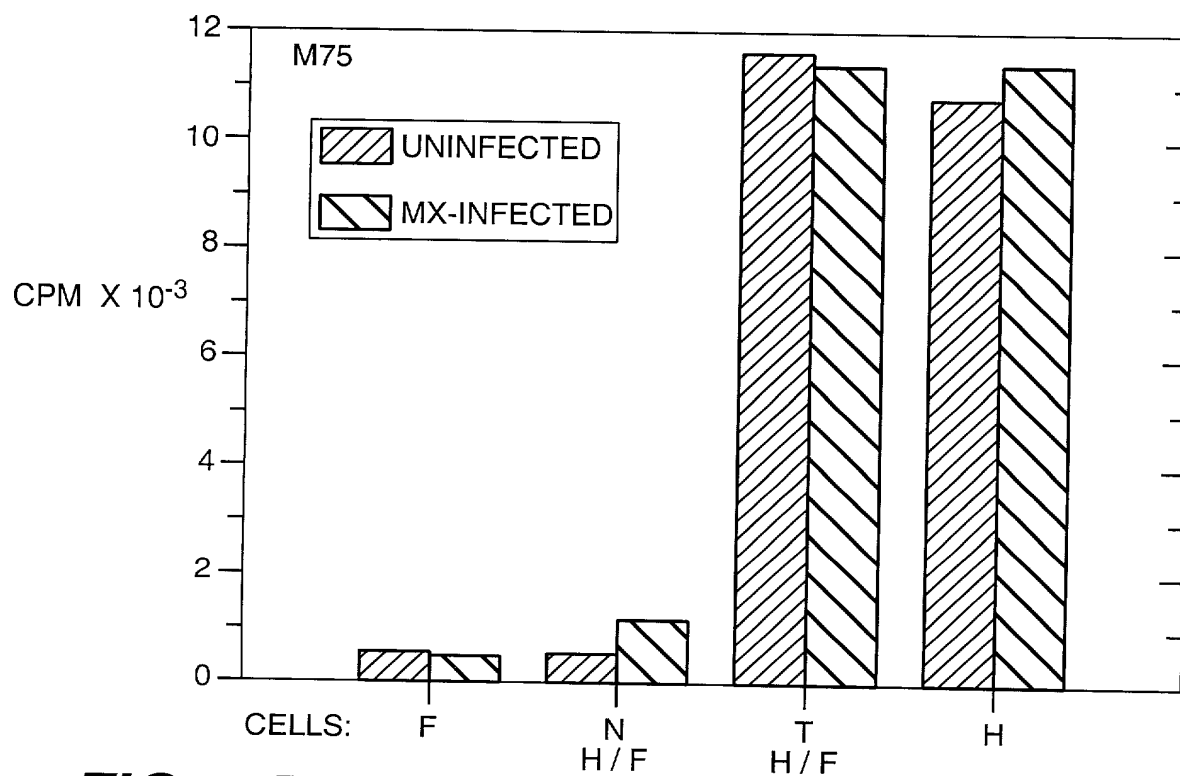


FIG. 6B

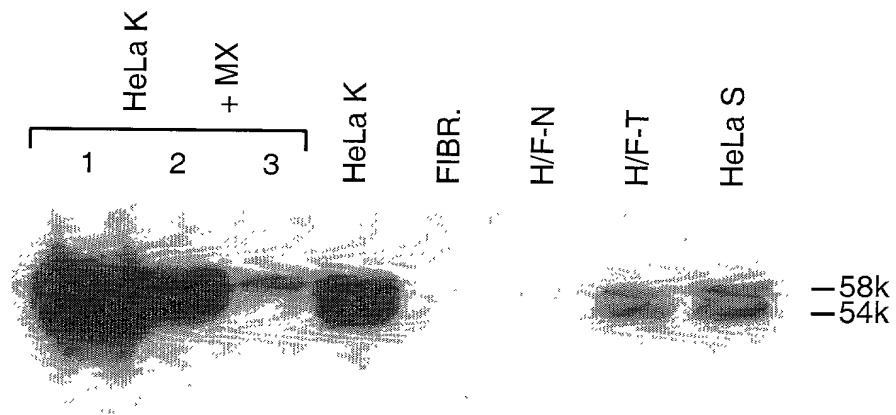


FIG._7

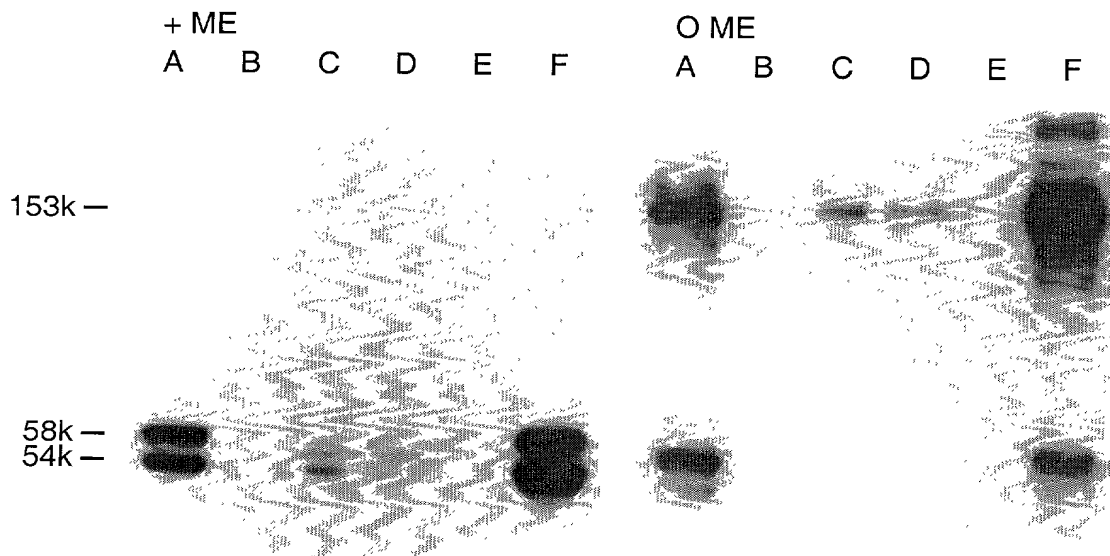


FIG._8

1. *Staph. aureus* (100%)
 2. *Staph. aureus* (100%)
 3. *Staph. aureus* (100%)
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 97. *Staph. aureus* (100%)
 98. *Staph. aureus* (100%)
 99. *Staph. aureus* (100%)
 100. *Staph. aureus* (100%)



FIG. 9

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	+ ME	OME
	A	A
	B	B

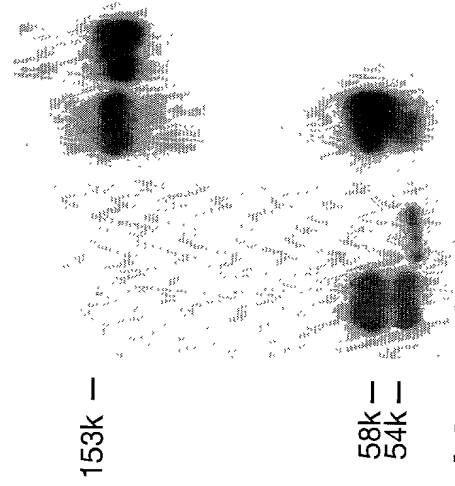
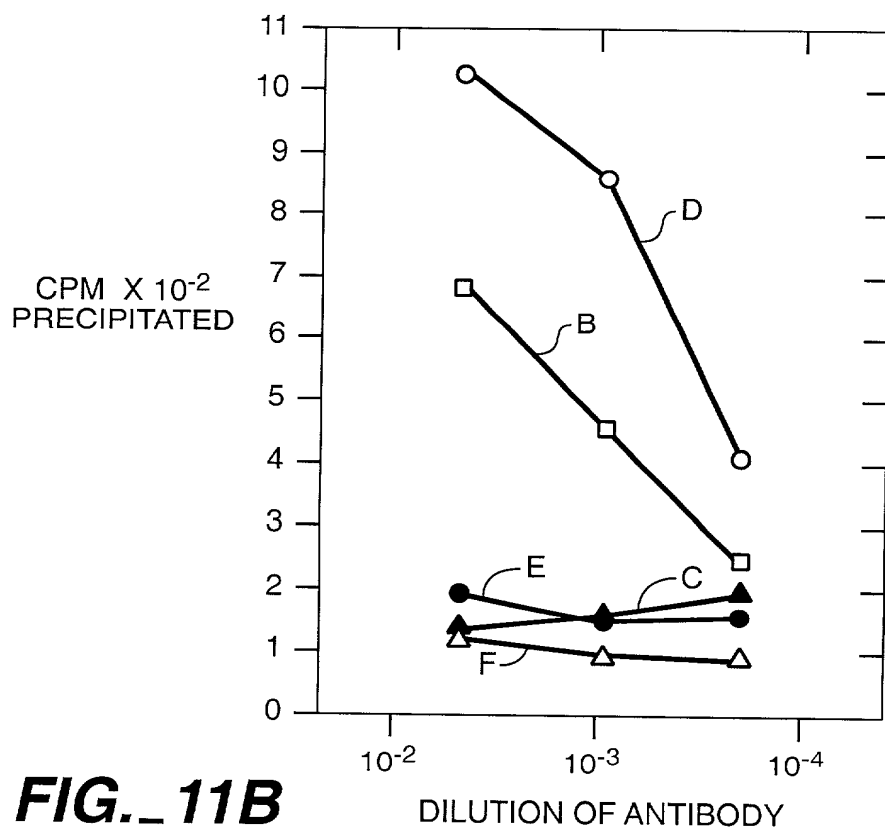
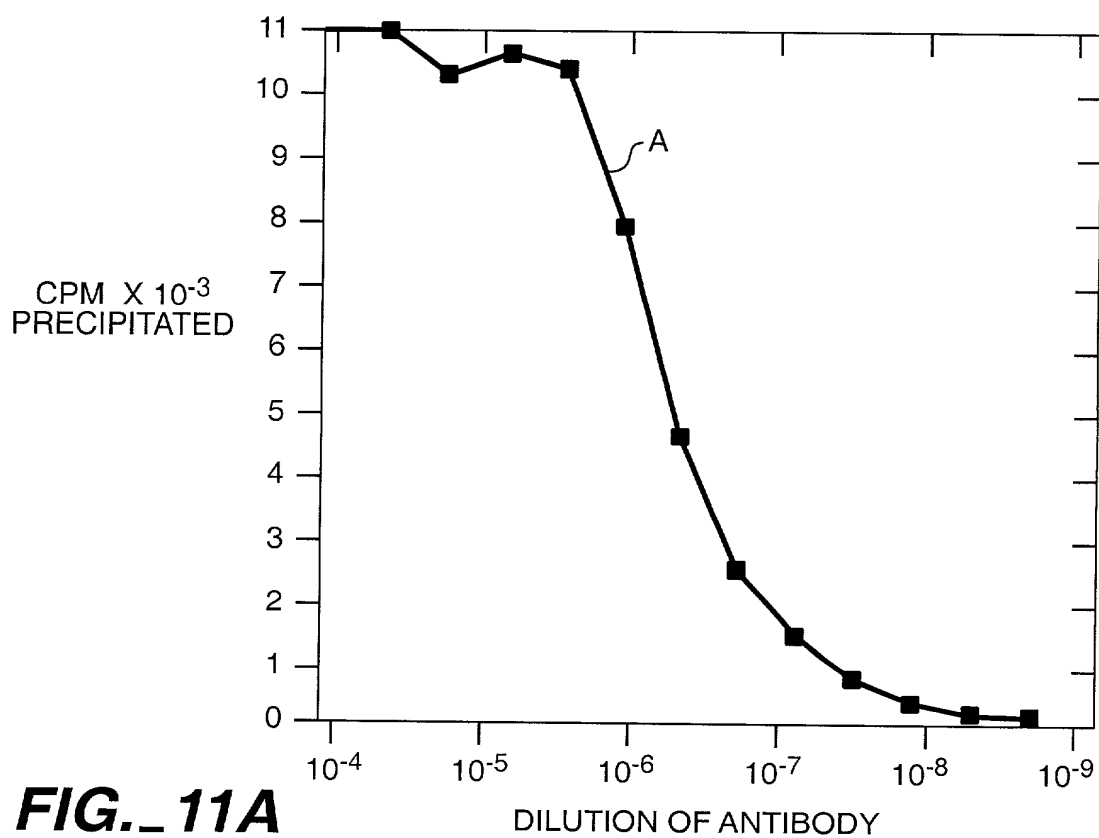


FIG. 10

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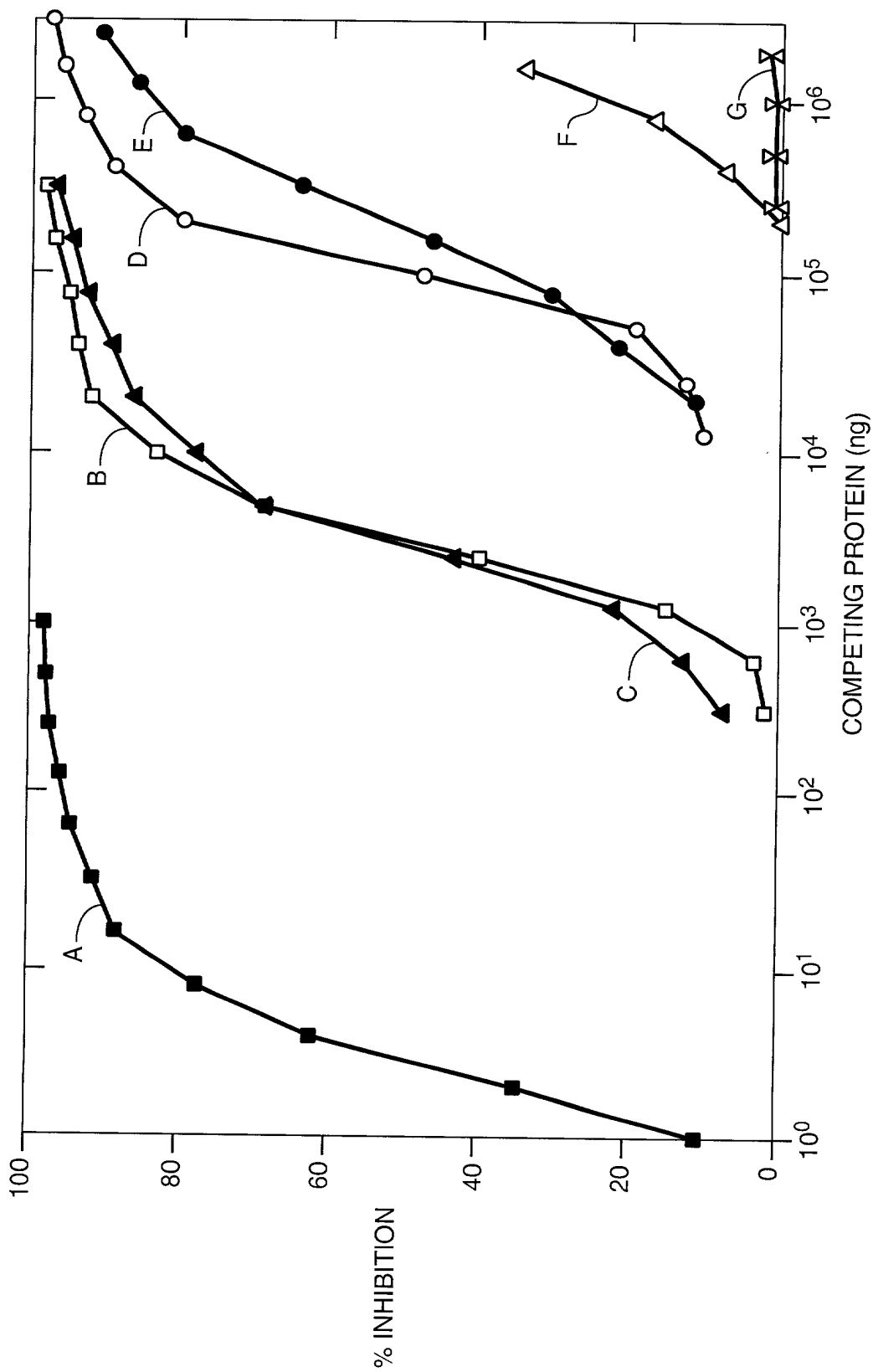


FIG. 12

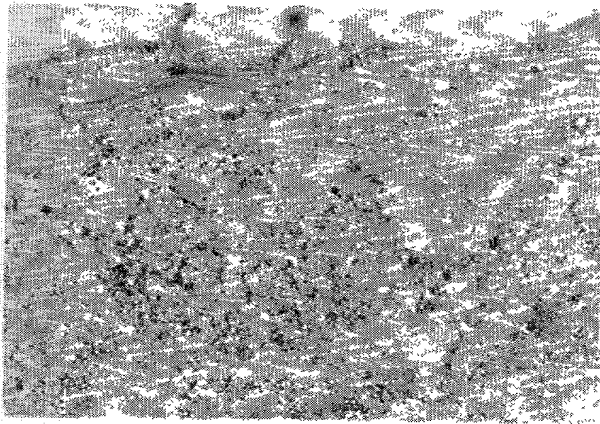


FIG._13A

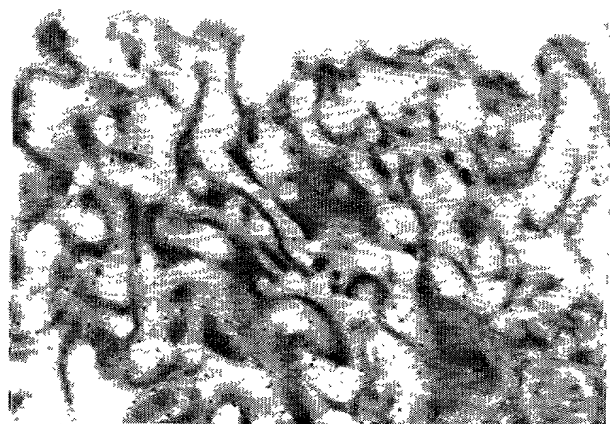


FIG._13B

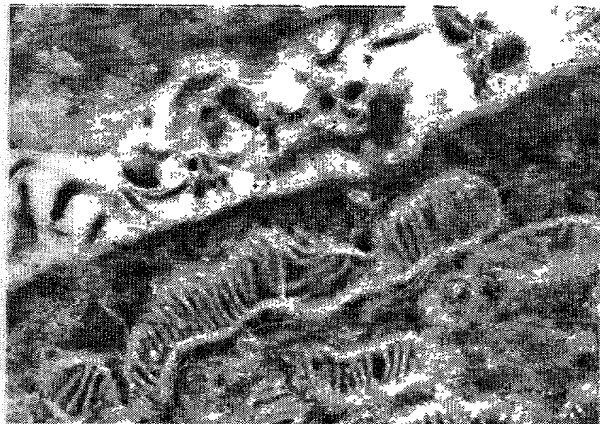


FIG._13C

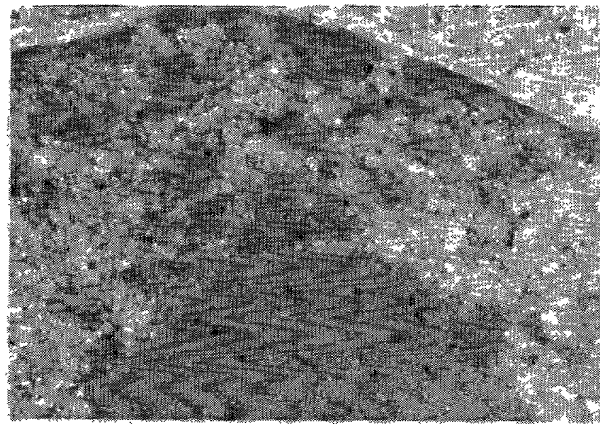


FIG._13D

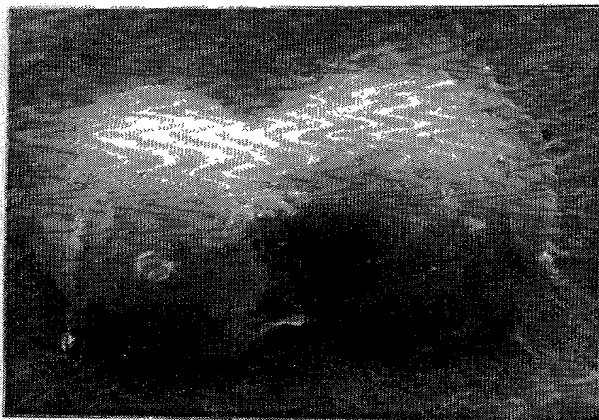


FIG._13E

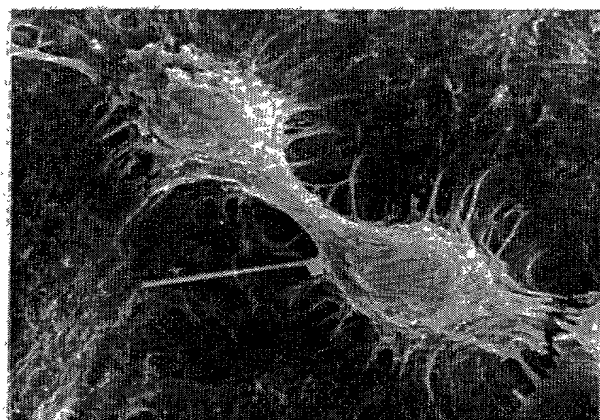


FIG._13F

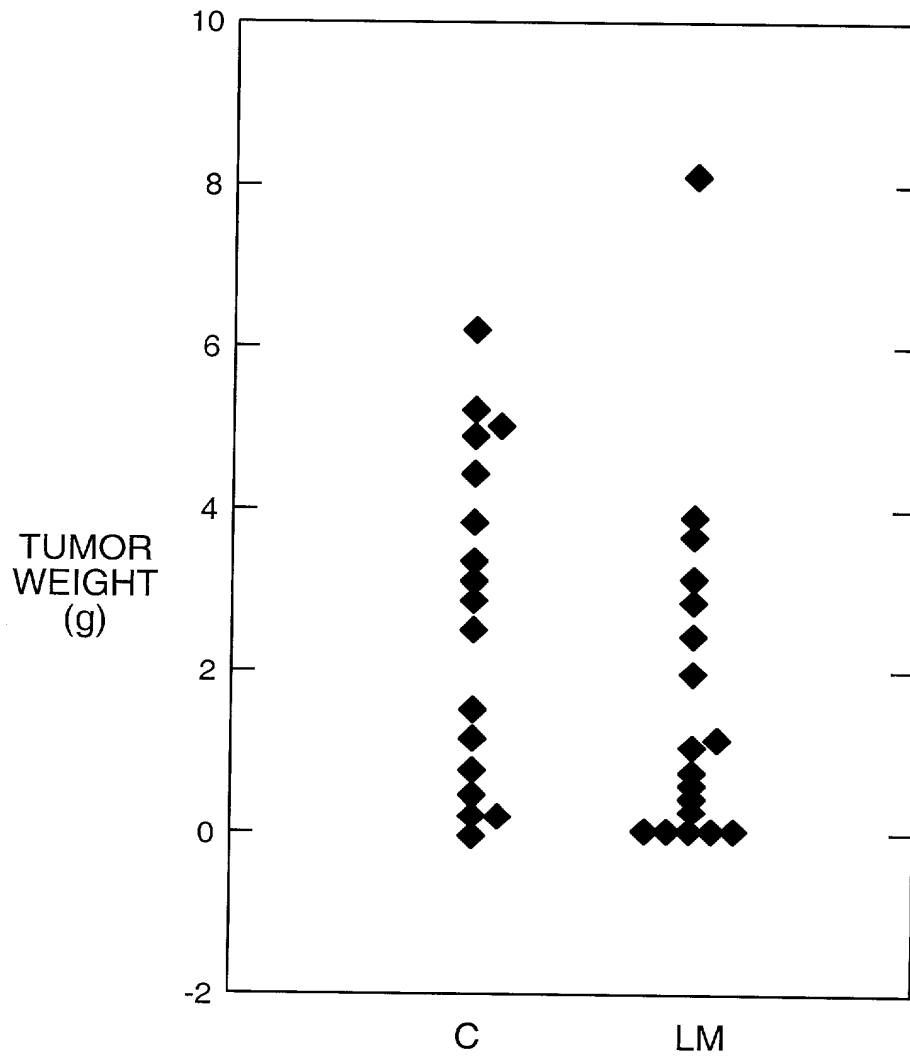


FIG._14

1 ggatcctgtt gactcgtgac cttaccccca accctgtgct ctctgaaaca tgagctgtgt
61 ccactcaggg ttaaatggat taaggcggt gcaagatgtg cttgtttaa cagatgcttg
121 aaggcagcat gctcgttaag agtcatcacc aatcccta atcaagta cagggacaca
181 aacactgcgg aaggccgcag ggtcctctgc ctaggaaaac cagagacctt tggtcacttg
241 tttatctgac cttccctcca ctattgtcca ttaaaaaaa tgaccctgcc aatccccc ctgtgagaaa
301 caccagaagaa ttatcaataa aaaaataaat tagttattga taaatgaata aatacaaaa aaaaaaaa
361 aaaaaaaa gacttacgaa gacggccatc atcacagctc aagtctacct gatttgatct
421 aatgatcata ttcaaaacca gtcattcttt gatttacct gttacatgaa gcttgaacct actaccttct
481 ctttatcatt gtcattcttt gatttacct gttacatgaa gcttgaacct actaccttct
541 aagttcta at tacgttccaa acatttaggg gtaggaatga tgagtttaca ccttacatgc tggggattaa
601 ttgcttttga gccatgagtt cagtgggta gccttggct tatttttcta gctaatttg
661 tttaaacttt acctctaagt aatcttgcta tgatagtttt cctccacct ttgccactag
721 tagttaatgg atgcactgtg ttacagtaatt gcttacctaa gacctaaag cctattttct
781 gggtaggtag gtactcagtt aatatgggca tatttaatac aataataatt ttggagtatt
841 ttgtactggc ctttatctgt aatatgggca tatttaatac aataataatt ttggagtatt
901 tttgtttgtt tgtttgtttg tttttttgag acggagtctt gcatctgtca tgcccaggct
961 ggagtagcag tggtgccatc tcgggctcact gcaagctcca cctcccgagt tcacgccatt
1021 ttcctgcctc agcctccga gtagctggga ctacaggcg cccaccat gccgggctaa
1081 ttttttgtat ttttggtaga gacggggttt caccgtgtta gccagaatgg tctcgatctc
1141 ctgacttcgt gatccaccg cctcgccctc ccaagttct aagtaaaaat atgtcttcta agctggtaac
1201 ccgcacctgg ccaatttttt gactctttta taatgtggtg ctgacgggtca tataggttct tttgagtgtg
1261 tatgggtacat ttctttttat taatgtggtg gcagtccttt cattacattt tctctcttc cttgaagag
1321 gcatgcata gctacttttt cttttagctt cacttggcctt aaaaagttct ctcatagcc taacacagtg
1381 catgttatat cttttagctt taccacttgg atcataagt gaaaaacagt caagaaattg cacagtaata
1441 tcattgttgg agagggatga ttcagggtgaa tctgacacta agaaactccc ctacctgagg
1501 cttgttttga ctctgacatt gctgtatata ggcttttctt ttgacagcct gtgactgcgg
1561 tctgagattc ttaagcaaga tatgctaaag ttttgtgagc ctttttccag agagaggtct
1621 actatttttc tcaagtga acatataatg tctgcatgtt tccatatctc aggaatgttt
1681 catactgca tatgctttta tatagacagg gaaacttgtt cctcagtgac ccaaaagagg
1741 gcttgtgttt tattggatat catcattggc ccacgctttc tgaccttggga aacaattaa
1801 tgggaattgt tattggatat catcattggc ccacgctttc tgaccttggga aacaattaa
1861 ggttcataat ctcaattctg tcagaattgg tacaagaaat agctgctatg tttcttgaca
1921 tccacttgg taggaataa gaatgtgaaa ctcttcagtt ggtgtgtgtc cct?gtttt

FIG._15A

1981 ttgcaatttc ctcttactg tgttaaaaa aagtatgac ttgctctgag aggtgaggca
2041 ttcttaatca tgatctttaa agatcaataa tataatcctt tcaaggatta tgcctttatt
2101 ataataaaga taatttgtct ttaacagaat caataatata atccctaaa aggttggaag
2161 ttgtctgggc gcagtggctc acacctgtaa tcccagcact tgggtggcc attcatctct ctccctcaa
2221 gatcaaatg gatgatgata ttgacagggt ttgacctcac tctactgatt gtgagctcct gctcagggca
2281 ggtagcgttt ttgttttttg agtgcaatgg tacagtctca gctcactgca gctcaaacg cctcggctca
2401 cccaggccag accatcatc ccatctcagc ctctgagta gctgggacta caggcacatg ccattacacc
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2521 tgaactcct ggactcaagc ccatgtcctt agtccatagc gtaaatagca gtttaatttg gctagagtat gagggagagt
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2761 gtggtaaaag agtaggagac agtacacaat gtgcatactg ttgaaaaata aatataggtt aaacctata gacacataca
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2881 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
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3241 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3301 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3361 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3421 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
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3661 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3721 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3781 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3841 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac
3901 agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac agtaggagac

FIG._15B

3961 catcaatctc caatcccagg ttccaggagg ttcatgactc cctcccata cccagccta
4021 ggctctgttc actcaggga ggaggggaga ctgtactcc cacagaagcc ctccagagg
4081 tccatacca atatcccat cccactctc ggaggtagaa agggacagat gtggagagaa
4141 aataaaaagg gtgcaaaaagg agagaggtga gctggatgag atgggagaga agggggaggc
4201 tggagaagag aaagggatga gaactgcaga tgagagaaaa atgtgcaga cagaggaaaa
4261 aatataggtgg agaaggagag tccagagag aagcaagaag agctggtaga agcttgggag
4321 gtgaagtggg caatgaggaa actcccaagc caggaaattg ggaaagggg ttgagacca
4381 caatgaggaa actcccaagc caggaaattg ggaaagggg ttgagacca ttgagagagg
4441 actcccaagc caggaaattg ggaaagggg ttgagacca ttgagagagg ttgagagagg
4501 ggggagaaga aagaaggagg aaaggaaaga tgggtgactc actcatttg gactcaggac
4561 tgaagtggc actcactttt tttttttttt tagtagagac tttttgagac tttgttgcc
4621 caggctggag tgcaatggcg ctagccaagt agctgcgatt acaggcatgc gccaccacg
4681 tgattctcct gcctcagcct tttgtatttt tagtagagac cctggcctcc caaagtgtg
4741 ccggctaatt tttgtatttt atctcaggtg atccaaccac cctggcctcc caaagtgtg
4801 cgaactcctg atctcaggtg atccaaccac cctggcctcc caaagtgtg aagacaatga
4861 cgtgagccac agcgcctggc tggttggccc acccagctgc ggtgttgagt ttgggtgcg
4921 ttgcaagctg ttgacacctg gcccgttaa ggcatttgtt acccgtaatg ctctgttaag
4981 tctcctgtgc ttgacacctg gcccgttaa ggcatttgtt acccgtaatg ctctgttaag
5041 gcatctgcgt ttgacacctg gcccgttaa ggcatttgtt acccgtaatg ctctgttaag
5101 cggttcatcc tttcatatta tacaggggat gaccagagtc attggggctc taagcttgag
5161 acaccacccc gctgcacaga ccaatctgg gaaccagct ctgtggatct cccctacagc
5221 cgtccctgaa cactggtccc gggcggtccc accgcccac accgtccac cccctcacct
5281 tttctaccg ggttccctaa gttcctgacc taggcgtcag acttccctac tatactctcc
5341 caccacagc gaccgacctg gcccgggggt gttcctgacc taggcgtcag acttccctac tatactctcc
5401 cccgggtgat atccgcccc cagctcccgag acttcccgag acttcccgag acttcccgag
5461 cctgggcttc cagctcccgag acttcccgag acttcccgag acttcccgag acttcccgag
5521 tgaggggggt tcccgcgga gacttggga tggggcgggg cgcagggaag ggaaccgtc
5581 cgcagtgcct gcccgggggt tgggctggcc ctaccgggctc gggcgggctc acttgcctc
5641 ccctacgcag tgcaactgac cctgctcctt gggctagaga tggctctggg tccggggcgg
5701 gactacggg ctctgcagct gcattgcac tggggggctg caggtcgtcc cggctcggag
5761 cactactgtg aaggccaccg ttctccctgccc gaggtgagc cggactggcc gagaaggggc
5821 aaaggagcgg ggcggacggg ggcagagac gtggcctct cctaccctc gtccttttc
5881 agatccacgt ggttcacctc agcacccgct ttgccagagt tgaccgagcc ttggggcgcc

FIG. 15C

5941 CGGGAGGCCT GCGCGTGTG GCGCGCTTTC TGGAGgtacc agatcctgga cacccttac
6001 tccccgcttt cccatcccat gctcctccc gactctatcg tggagccaga gaccccatcc
6061 cagcaagctc actcaggccc ctggctgaca aactcattca cgcactgttt gttcatttaa
6121 caccactgt gaaccaggca ccagcccca acaaggattc tgaagctgta ggtccttgcc
6181 tctaaggagc ccacagccag tgggggaggg gaggtagacac taaagcctt cactggtaga aaagaaaaagg
6241 taaagatggt ggtcacagag tgcagaggaa acagaatgtg caaagactca gaatatggcc tatttaggga
6301 aggtgttcat atggctacat acaccatgat tagaggaggc ccagtaaagg gaaggatgg tgagatgcct
6361 atggctacat acaccatgat ctcaactcact ttatttatt tatttatttt tttgacagtc tctctgtcgc
6421 gctaggttca ctaggttga gtgcagtggc gtagcttgg gtcactgcaa ctccgcctc ccgggttcaa
6481 ccaggctgga ggtattctcc tgctcagct tctgagtag ctggggttac aggtgtgtgc caccatgccc
6541 ggtattctcc agctaatttt ttttgtatt tttagtagac aggttttcac catgttggtc aggtggtct
6601 caaactcctg gctcaagtg gctccagcca cactcactga ttctttaatg ccaagtgtg attacaaagt
6661 tgagccaccg tgccagcca gctccatca tagcatgtca atatgttcat actcttaggt tcatgatgtt
6721 tcagagaaat gcttcataag ggttcataag caaataaaga aaaaagaata ataaataaaa gaagtggcat
6781 cttaacatta gtcaggacct cactgaaa ggttctctgt gggagtagaa gaatgatgac gaggtagac
6841 gtcaggacct cactgaaa ggttctctgt ggcacgggtca ctgagagcct agtatcctag taaagtggc
6901 caacacaaag gtcagaagg tctctccagc ttgtcattga aaaccagtcc accaagtgtg ttggttcgca
6961 agactgcaa tctctccctc cagcaagagt acatagagtt tgaataataa caatagattt taagaggagg acactgtctc
7021 tctctccctc tctctccagc acatagagtt acaacacagca acaacaaaaa gcaacaacca ttacaatttt atgttccctc
7081 cagcaagagt tctctccagc acatagagtt acaacacagca acaacaaaaa gcaacaacca ttacaatttt atgttccctc
7141 taaaaaaaaa agcatttctca gactgagga atgggagagg actatgggaa ccccttcat gttccggcct
7201 taaaaaaaaa tcaagccatgg ccctggatac atgcaactcat ctgtcttaca atgtcattcc ccagGAGGG
7261 agcatttctca gactgagga atgggagagg actatgggaa ccccttcat gttccggcct
7321 tcaagccatgg ccctggatac atgcaactcat ctgtcttaca atgtcattcc ccagGAGGG
7381 CCCGGAAGAA AACAGTGCCT ATGAGCAGTT GCTGTCTCGC TTGGAAGAAA TCGCTGAGGA
7441 AGgtcagttt gttggtctgg ccactaatct ctgtggccta gttcataaag aatcacctt
7501 tggagcttca ggtctgaggc tcatcttgat aataaccatg aagctgacag acacagttac attgaagcat
7561 gagccagcgc ctgcttacag attgaaaaa aagcaaaaac cgcggggcac ggtggctcac ccgcaaacgg
7621 ctgcttacag attgaaaaa aagcaaaaac cgcggggcac tcaagaggtc aagagatcaa gacctcctg
7681 ccagcacttt gggaggccaa ggcaggtgga tcttactaa aaatacga aaatagccag gacctcctg
7741 gccaacatgg tgaaaaccca tcttactaa aaatacga aaatagccag gacctcctg
7801 ggggtgcctgt aatccagct actcgggagg ctgagggcagg agaattggcat gcgtggtggc
7861 ggcagaagt gtagtggagc gagatcgtgc cactgcactc cagcctgggc aacagagcga

FIG._15D

7921 gactcttgtc tcaaaaaaa aaaaaaaa gaaaccaa gaaaaccaa caaaaccaa aatgagacaa
7981 aaaaaacaag accaaaaaat ggtgtttgga aattgtcaag gtcaagtctg gagagctaaa
8041 ctttttctga gaactgttta tctttaataa gcatcaataa tttaacttt gagagctaaa
8101 ttgttggaat taggtttctt taggtttctt taggtttctt tttaacttc acttactcta
8161 ctgacctt taggtttctt taggtttctt taggtttctt ctttgcat tcttgttct
8221 gttttgtata gttatcaata ttattttttt ttattttttt attcagatca ttttttctt
8281 tctttttttt tttttttttt tttttttttt tttttttttt gacagggttt caccatattg
8341 gccaggctgc tctcaaac tttttttttt tttttttttt gatccaccag cctcgccctc ccaaagtgc
8401 ggatttcatt tttttttttt tttttttttt tttttttttt ttgtggccca gcaactttatg
8461 atggtacaca ggttaagag tttttttttt tttttttttt ttgtggccca gcaactttatg
8521 cttcccttcc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
8581 caggcctctt cttttttttt tttttttttt tttttttttt ttgtttctct tcttctcctt
8641 agggcctgca cttttttttt tttttttttt tttttttttt ttgtttctct tcttctcctt
8701 gaaactgtat cttttttttt tttttttttt tttttttttt ttgtttctct tcttctcctt
8761 tagatcctct tttttttttt tttttttttt tttttttttt ttgtttctct tcttctcctt
8821 CCTCTGACT TCAGCCGCTA TCTGGACTGT GTTAAACCA ACAGTGATGC TGAGTGCTAA GCAGtggtggc
8881 CAGGGTGCTA TCTGGACTGT GTTAAACCA ACAGTGATGC TGAGTGCTAA GCAGtggtggc
8941 ctgggtgtgt tttttttttt tttttttttt tttttttttt ttgtttctct tcttctcctt
9001 caggagaaga aaaaaaatcaa ggtgtggctc ttgtgtttac gcctataatc ccaccacgtt
9061 gggaggctga ggtgtggctc ttgtgtttac gcctataatc ccaccacgtt
9121 agtgtgacct catctctacc tttttttttt tttttttttt caacaaacc aaaaatagcc
9181 gtatgcggcc tagtccagc tttttttttt tttttttttt ggtgtggctc ttgtttccag
9241 gagtttgaga ctgcagtgag ttgtttgtgag ttgtttgtgag accactgcct accatcttta ggatacat
9301 atttatttat tttttttttt tttttttttt tttttttttt caggagctgg aggtgggagc
9361 cctgaggctg cttttttttt tttttttttt tttttttttt cctgtcatgc catgaaccca
9421 cccacactgt gttttttttt tttttttttt tttttttttt TGACACCTTG TGGGACCTG
9481 GTGACTCTCG GCTACAGCTG AACTTCCGAG CGACGCAGCC TTTGAATGGG CGAGTGATG
9541 AGGCCTCCTT CCTGCTGGA GTGGACAGCA GTCTCGGC GTCTGAGCCA Ggtacagctt
9601 tgtctggttt cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
9661 attggtggtc acagcccgcc tttttttttt tttttttttt tttttttttt tttttttttt
9721 GCTGGCTGC TGgtgagctc gttttttttt tttttttttt tttttttttt tttttttttt
9781 ccatcagcc cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
9841 accccaacc caatataga gaggcagatc atggtgggga tttttttttt tttttttttt

FIG._15E

9901 gctaattgat tagaatgaag cttagagaaat ctcccagcat ccctctcgca aaagaatccc
 9961 ccccctttt tttaaagata gggctctcact ctgtttgccc caggctgggg tgttgtggca
 10021 cgatcatagc tcaactgcagc ctcgaaactcc taggctcagg caatccttc accttagctt
 10081 ctcaaagcac tgggactgta ggcactgagcc actgtgacctg gccccaaacg gcccttttac
 10141 ttggcttcta ggaagcaaaa acggtgctta tcttaccctt tctcgtgtat ccaccctcat
 10201 cccttggctg gcctcttctg gagactgagg cactatgggg ctgcctgaga actcggggca
 10261 ggggtggctg agtgcaactga ggcaggtgtt gaggaactct gcagacccct cttccttccc
 10321 aaagcagccc tctctgctct ccatcgcagg TGACATCCTA GCCCTGGTTT TTGGCCTCCT
 10381 TTTTGCTGTC ACCAGCGTCG CGTTCCTTGT GCAGATGAGA AGGCAGCACA Ggtattacac
 10441 tgaccctttc ttcagggcaca agcttcccc agctacttca tgcaaaagcgc
 10501 atgcaaatga gctgctcctg ggccagtttt ctgattagcc ttctcctgtg tgtaacacaca
 10561 gAAGGGGAAC CAAAGGGGT GTGAGCTACC GCCCAGCAGA GGTAGCCGAG ACTGGAGCCT
 10621 AGAGGCTGGA TCTTGGAGAA TGTGAGAAGC CAGCCAGAGG CATCTGAGGG GGAGCCGGTA
 10681 ACTGTCCTGT CCTGCTCATT ATGCCACTTC CTTTAACTG CCAAGAAATT TTTTAAATA
 10741 AATATTATA Aataaatatg tgtagtcac ctttgttccc caaatcagaa ggaggtattt
 10801 gaatttccta ttactgttat tagcaccaat ttagtggtaa tgcatttat ctattacagt
 10861 tcggcctcct tccacacatc actccaatgt gttgctcc

FIG._15F

FIG._15A

FIG._15B

FIG._15C

FIG._15D

FIG._15E

FIG._15F

FIG._15

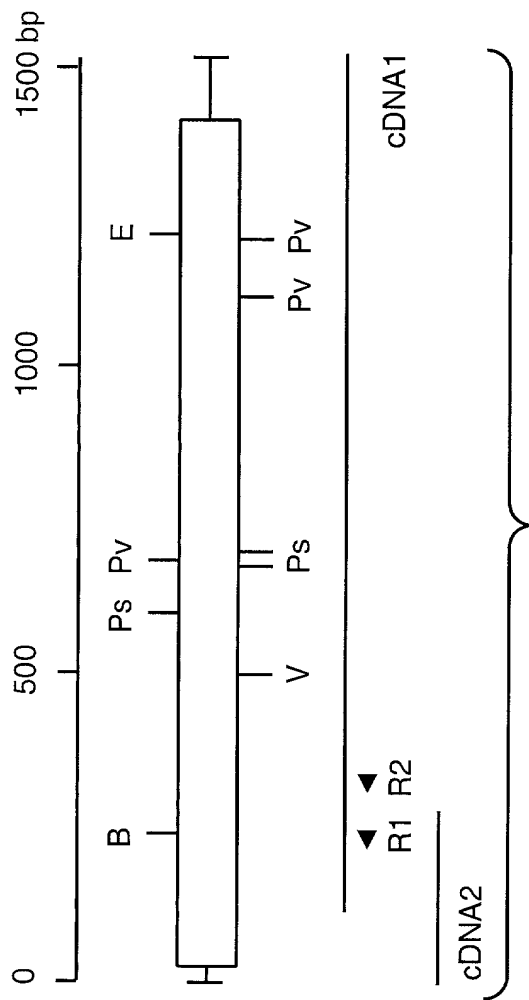


FIG. 16

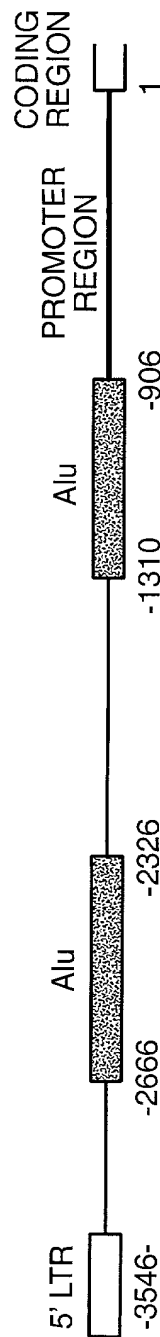


FIG. 20



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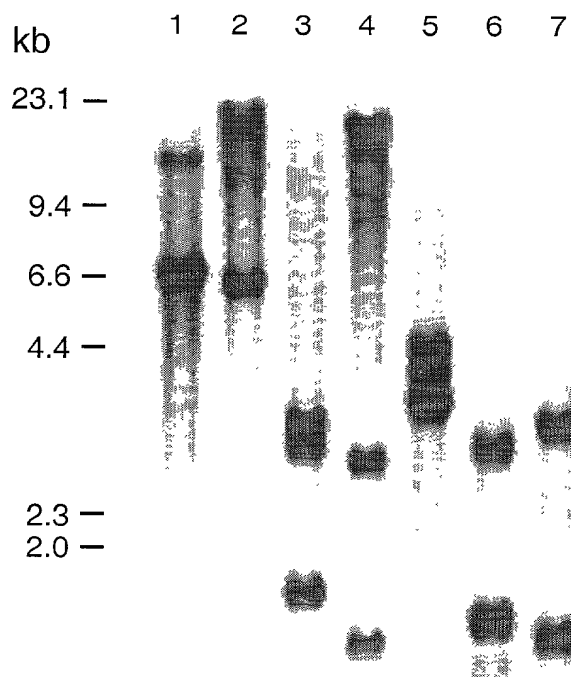


FIG._17

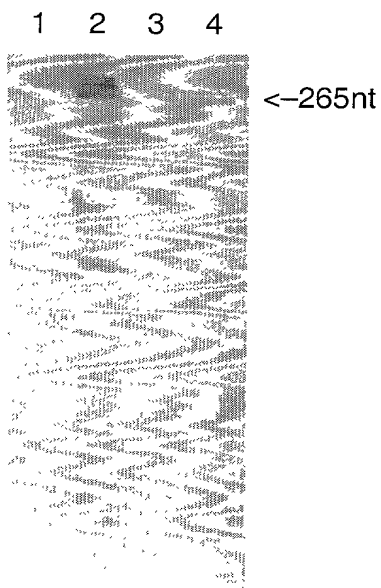


FIG._18A

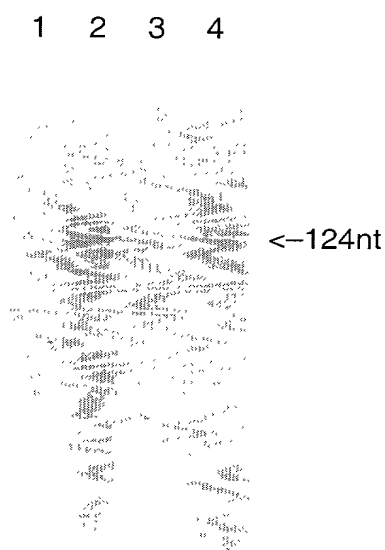


FIG._18B



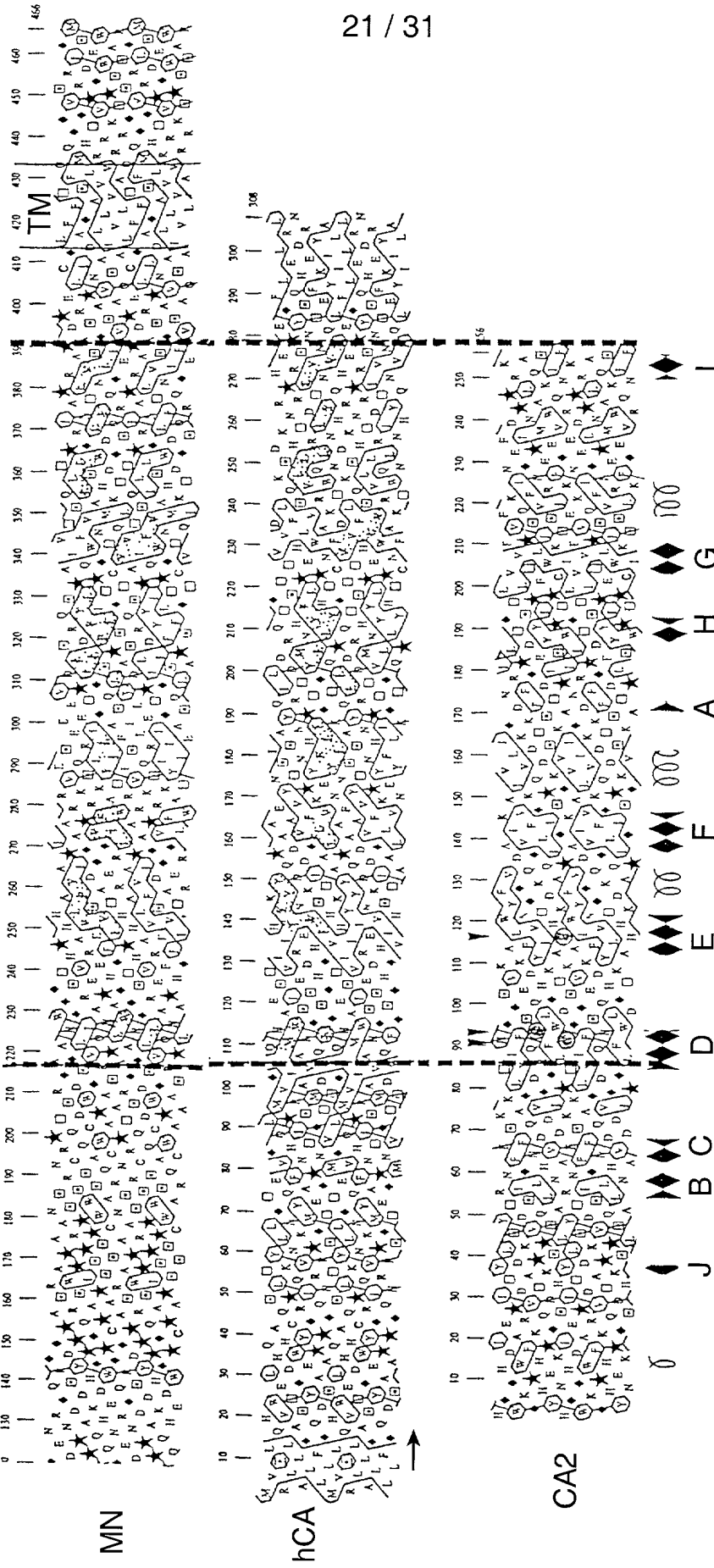


FIG._19A



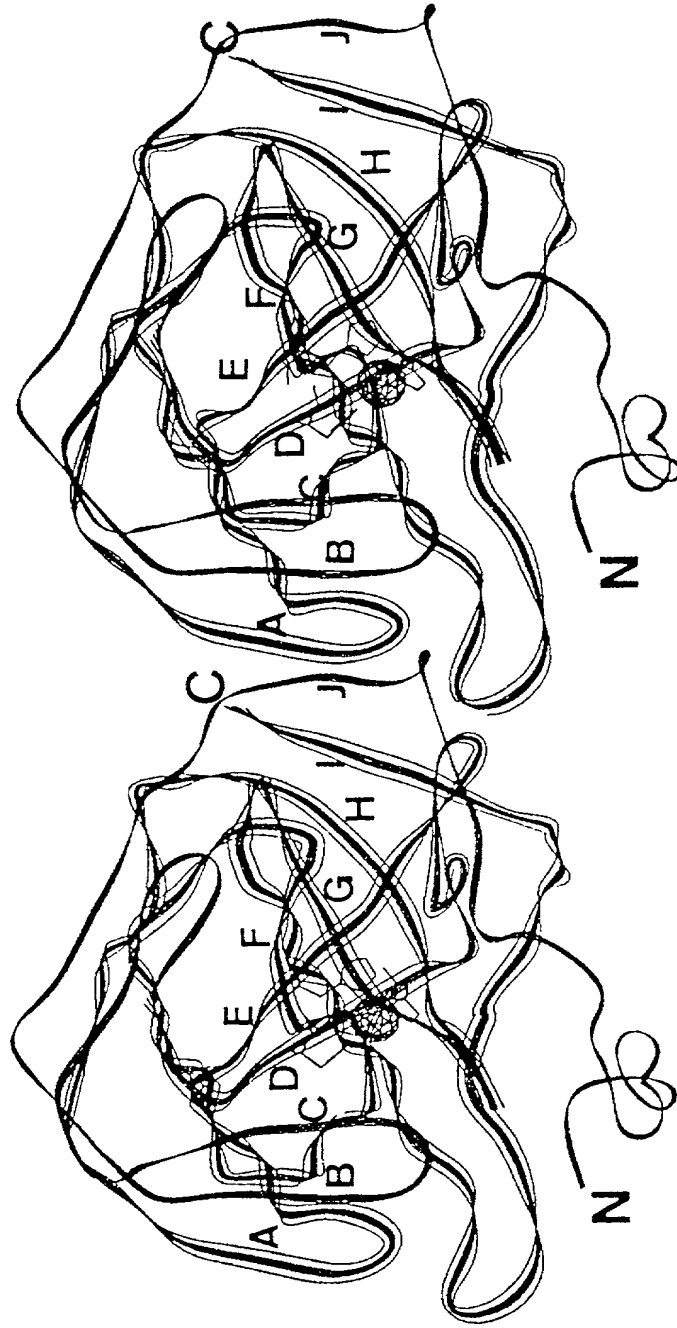


FIG. 19B

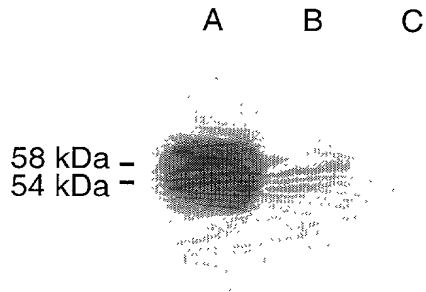


FIG._21A

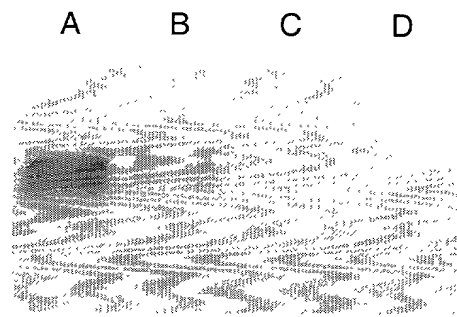


FIG._21B

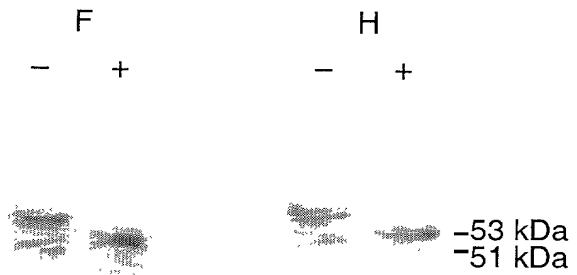


FIG._21C



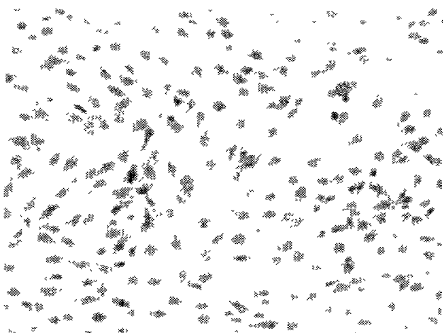


FIG._22A

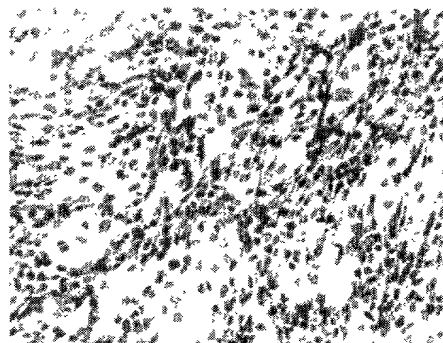


FIG._22B

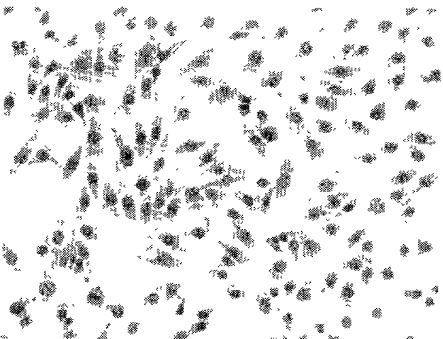


FIG._22C

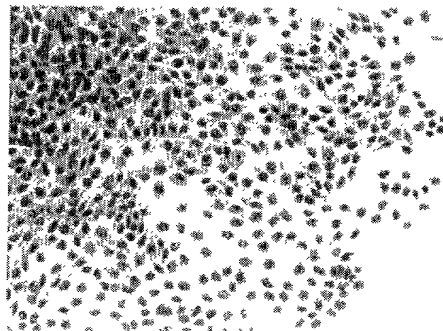


FIG._22D

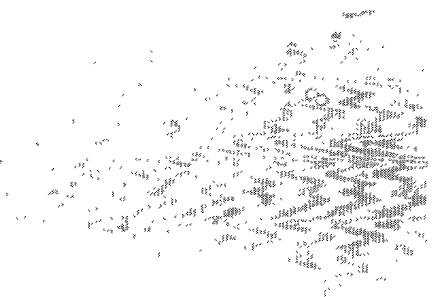


FIG._22E

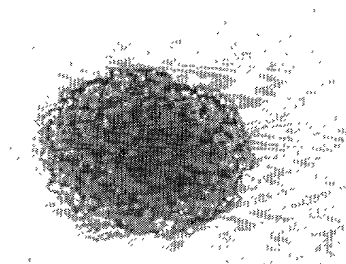


FIG._22F

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FIG._22G

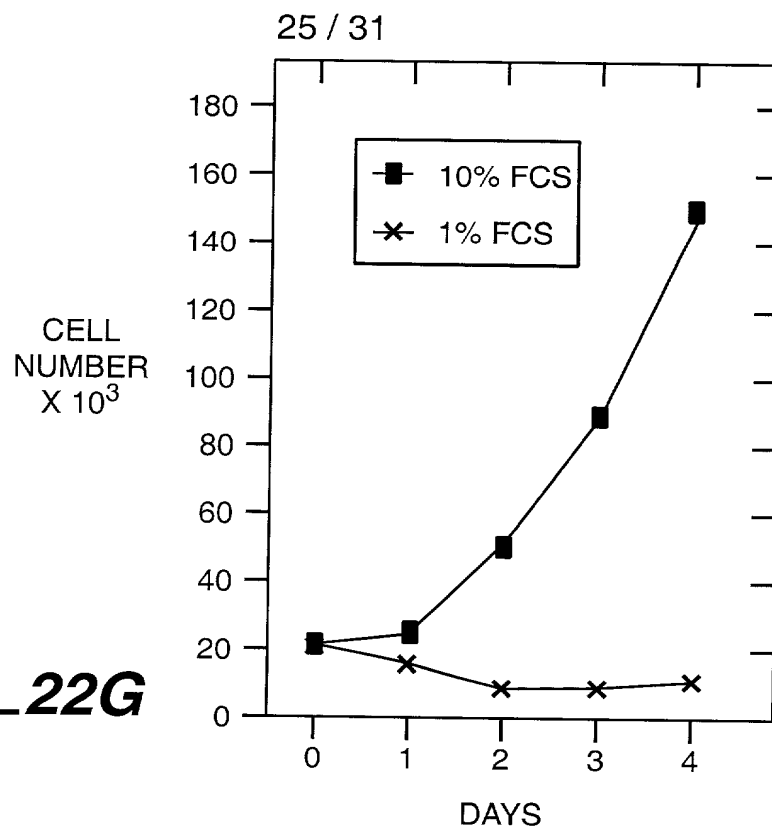
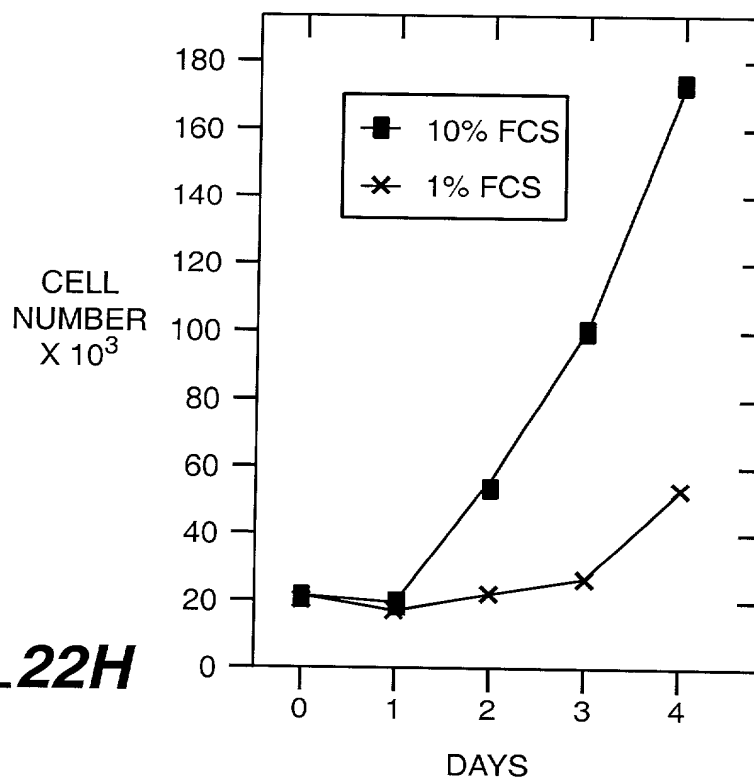
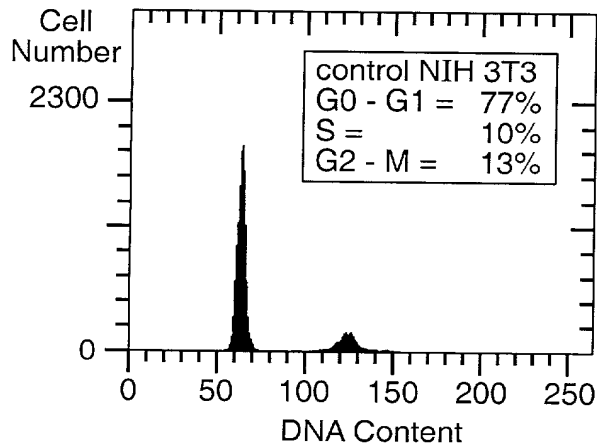
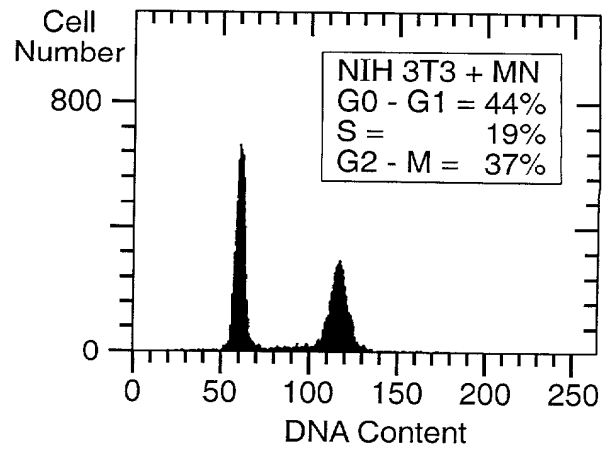
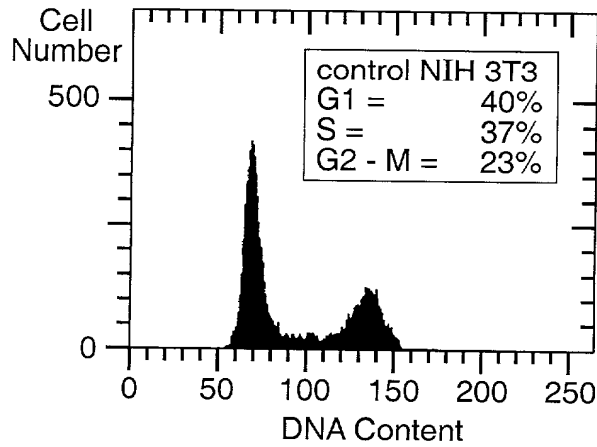
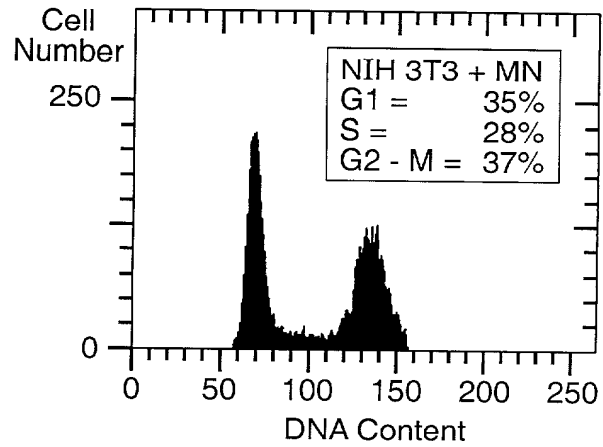
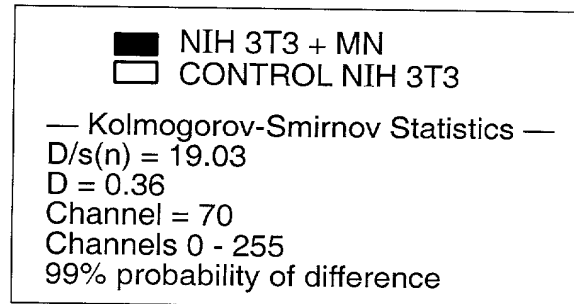
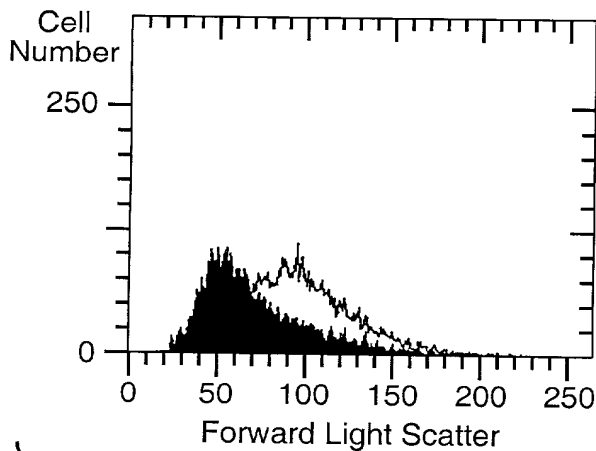


FIG._22H



**FIG._23A-1****FIG._23A-2****FIG._23B-1****FIG._23B-2****FIG._23C**

+

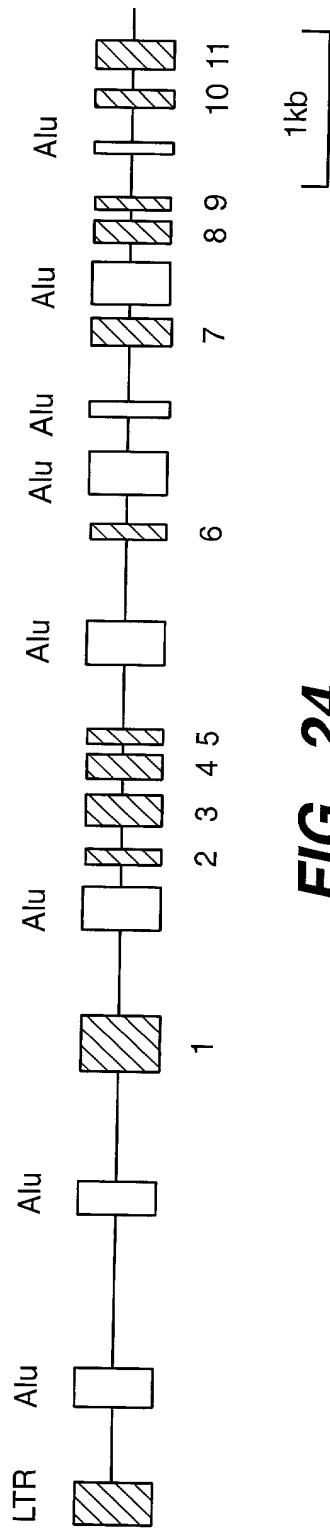


FIG._24

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TOTAL SEQUENCE EXTENT: FROM 1 TO 10898

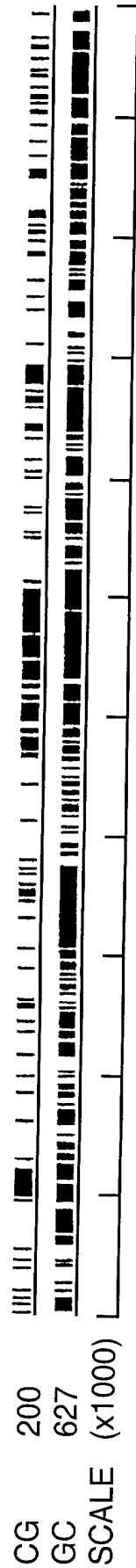


FIG._26

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-506 CTTGCTTTTC ATTCAAGCTC AAGTTTGCT CCCACATACC CATTAATA CTCACCCCTCG
-446 GGCTCCCCTA GCAGCCTGCC CTACCTCTTT ACCTGCTTCC TGGTGGAGTC AGGGATGTAT
AP2
-386 ACATGAGCTG CTTTCCCTCT CAGCCAGAG ACATGGGGG CCCAGCTCC CCTGCCCTTC
-326 CCCTCTGTG CCTGGAGCTG GGAAGCAGG CAGGTTAGC TGAGGCTGGC TGGCAAGCAG
-266 CTGGGTGGTG CCAGGGAGAG CCTGCATAGT GCCAGGTGGT GCCTTGGGTT CCAAGCTAGT
p53
-206 CCATGGCCCC GATAACCTTC TGCCTGTGCA CACACCTGCC CCTCACTCCA CCCCCATCCT
Inr
-146 AGCTTTGGTA TGGGGGAGAG GGCACAGGC CAGACAAACC TGTGAGACTT TGGCTCCATC
Inr
-86 TCTGCAAAAG GCGCTCTGT GAGTCAGCCT GCTCCCCCTCC AGGCTTGCTC CTCCCCCACC
AP1 p53 AP2
-26 CAGCTCTCGT TTCCAATGCA CGTACAGCCC GTACACACCG TGTGCTGGA CACCCACAG

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FIG._25

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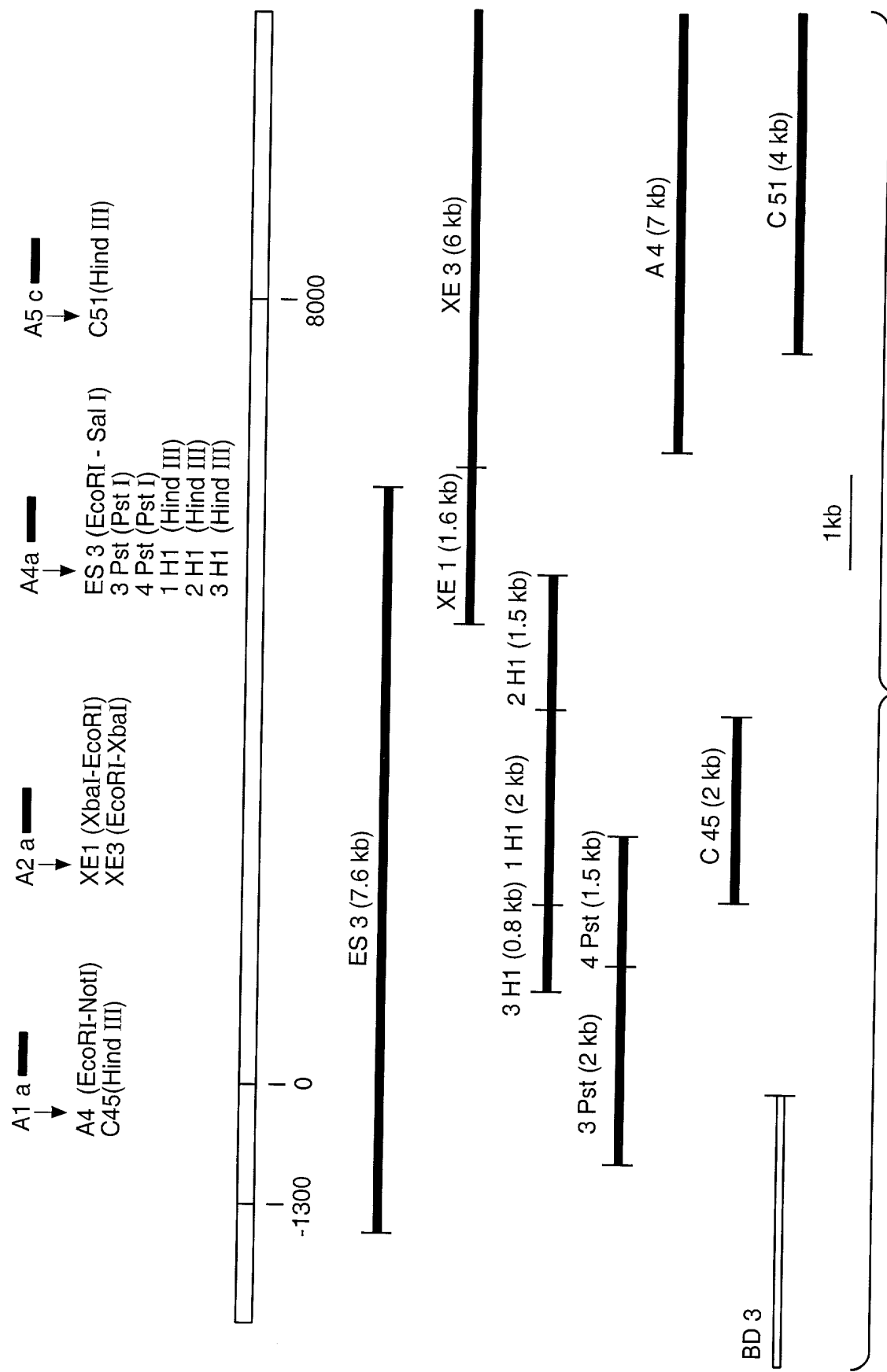


FIG._27



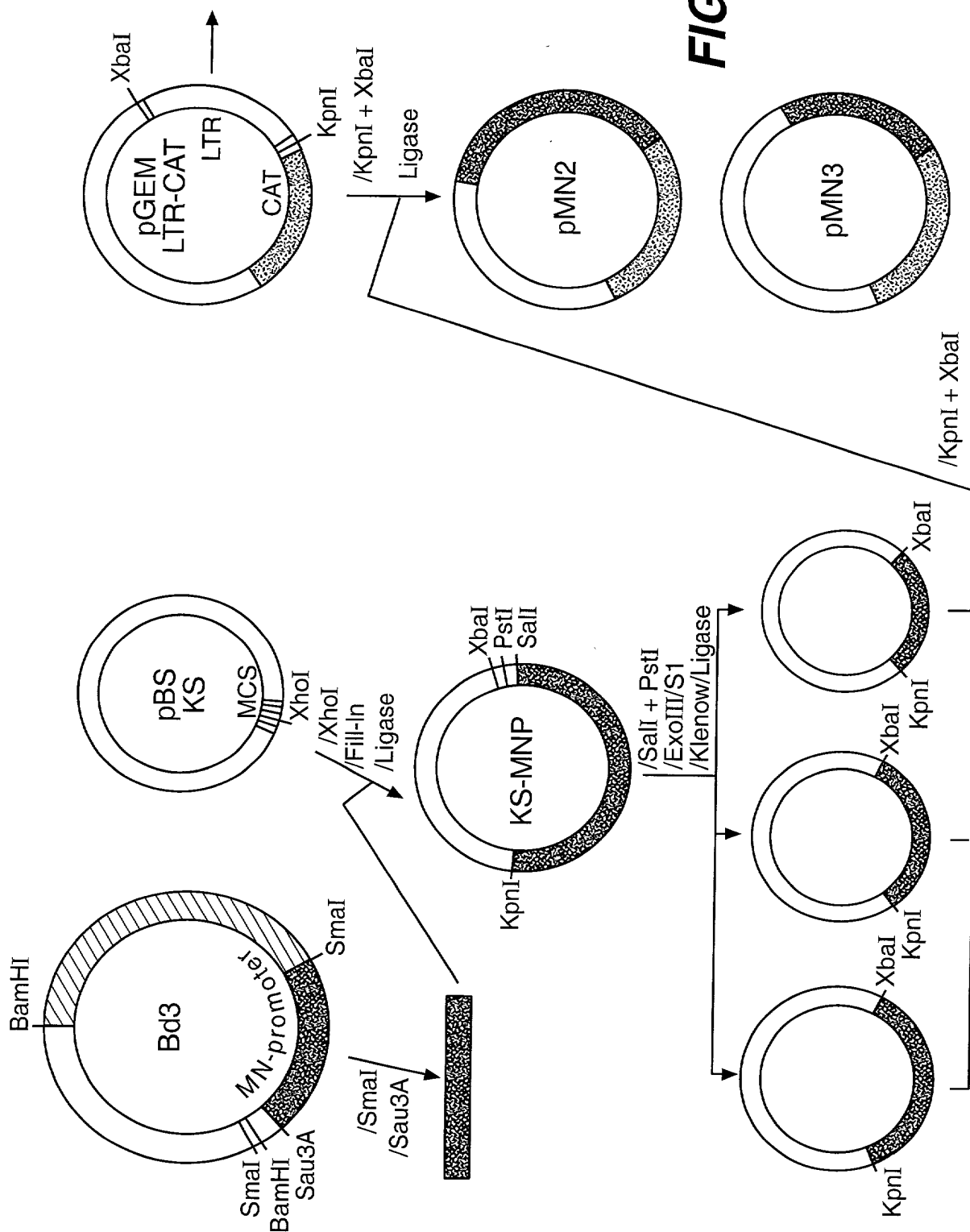
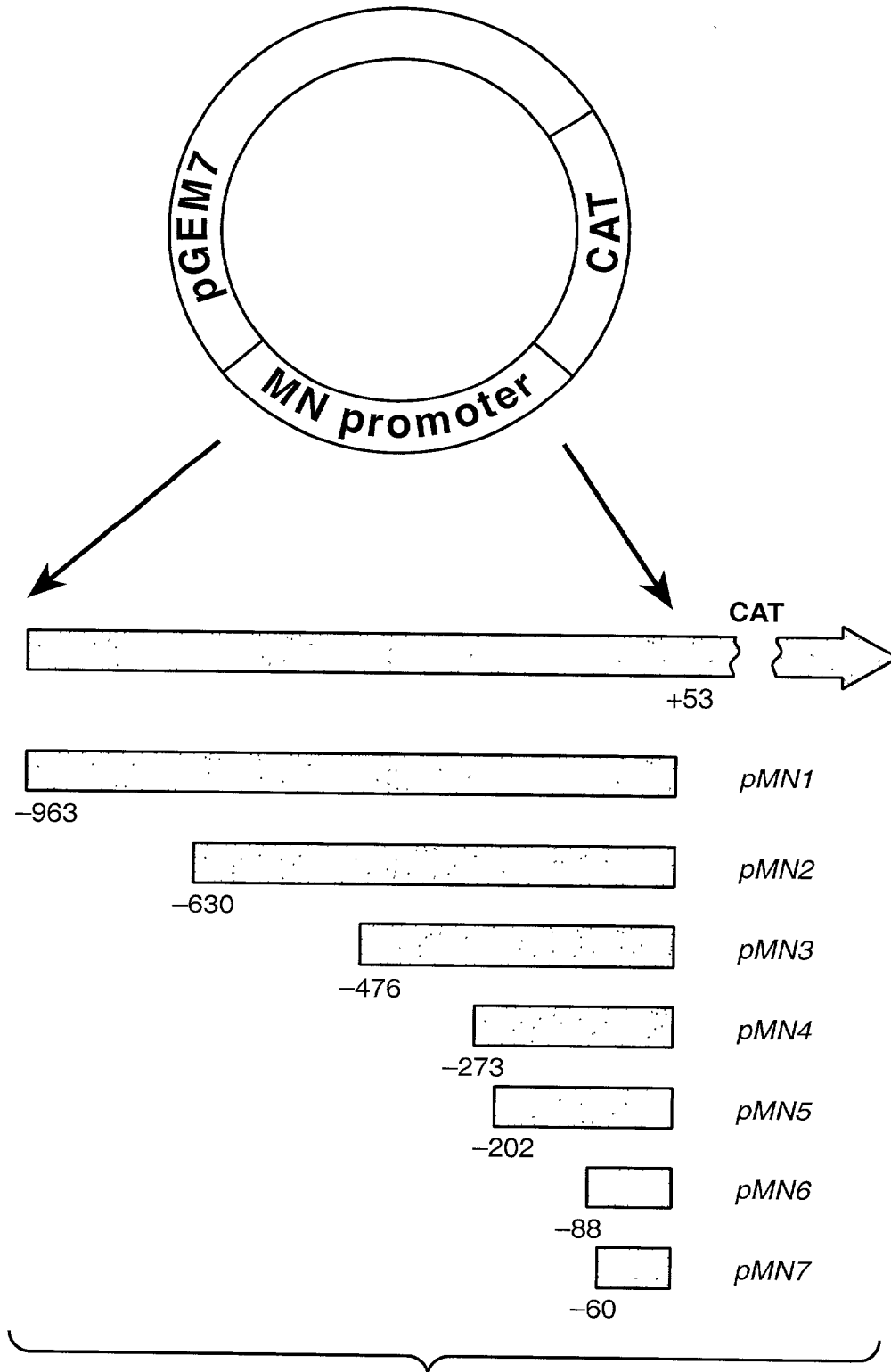


FIG. 28

**FIG._29**